Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/19/2019 09:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124320	-1	1.95	124451	1.91
Blue	F	SSC	125000	124913	-1	1.68	125769	1.64
Blue	E	FITC	16433	16217	-2	2.70	354	19.15
Blue	D	PE	27595	27229	-2	1.92	596	13.95
Blue	B	PerCP-Cy5-5	43183	42713	-2	3.65	1147	19.84
Blue	A	PE-Cy7	31943	32264	1	5.91	618	39.63
Red	C	APC	42819	42512	-1	2.38	1503	11.80
Red	A	APC-Cy7	31261	30472	-3	2.31	810	11.70
Violet	B	V450	6527	6416	-2	4.84	359	13.00
Violet	A	V500	24533	24032	-3	4.61	559	10.70

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17683	10.44	612	12	N/A	N/A	Pass
Blue	F	SSC	56833	1.17	554	6	N/A	N/A	Pass
Blue	E	FITC	64	60.65	541	2	0.0219	104	Pass
Blue	D	PE	124	49.42	537	3	0.2053	360	Pass
Blue	B	PerCP-Cy5-5	211	48.73	650	8	0.0096	59	Pass
Blue	A	PE-Cy7	115	96.94	698	9	0.0115	12	Pass
Red	C	APC	359	24.95	578	-5	0.0263	199	Pass
Red	A	APC-Cy7	178	28.47	557	-6	0.0059	1112	Pass
Violet	B	V450	55	60.89	451	-4	0.0660	2929	Pass
Violet	A	V500	83	33.14	462	-5	0.0228	672	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.42	-32.20	0.98
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.48
Red	17.47	13.60 - 20.40	N/A	N/A	29.93	30.23	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10776

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments